

(19) World Intellectual Property  
 Organization  
 International Bureau



(43) International Publication Date  
 3 June 2004 (03.06.2004)

PCT

(10) International Publication Number  
 WO 2004/046119 A1

(51) International Patent Classification<sup>7</sup>: C07D 239/91,  
 279/16, 413/04, 265/38, 209/86, 215/14, 209/08, 213/30,  
 207/32, 235/06, 409/04, 261/08, 405/04, A61K 31/421,  
 31/422, 31/47, 31/358, 31/4439, C07C 43/03, A61P 3/10

015, Gujarat (IN). RAVAL, Saurin, K. [IN/IN]; Cadila  
 Healthcare Limited, Zydus Tower, Satellite Cross Roads,  
 Ahmedabad 380 015, Gujarat (IN). RAVAL, Preeti, S.  
 [IN/IN]; Cadila Healthcare Limited, Zydus Tower, Satellite  
 Cross Roads, Ahmedabad 380 015, Gujarat (IN).

(21) International Application Number:  
 PCT/IN2003/000358

(74) Agents: SUBRAMANIAM, Hariharan et al.; Subrama-  
 niam, Nataraj and Associates, E-556, Greater Kailash-II,  
 New Delhi 110 048 (IN).

(22) International Filing Date:  
 14 November 2003 (14.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
 992/MUM/2002 15 November 2002 (15.11.2002) IN  
 792/MUM/2003 12 August 2003 (12.08.2003) IN

(71) Applicant (for all designated States except US): CADILA  
 HEALTHCARE LIMITED [IN/IN]; Zydus Tower, Satel-  
 lite Cross Roads, Ahmedabad 380 015, Gujarat (IN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LOHRAY, Braj,  
 Bhushan [IN/IN]; Cadila Healthcare Limited, Zydus  
 Tower, Satellite Cross Roads, Ahmedabad 380 015, Gu-  
 jarat (IN). LOHRAY, Vidya, Bhushan [IN/IN]; Cadila  
 Healthcare Limited, Zydus Tower, Satellite Cross Roads,  
 Ahmedabad 380 015, Gujarat (IN). JAIN, Mukul, R.  
 [IN/IN]; Cadila Healthcare Limited, Zydus Tower, Satellite  
 Cross Roads, Ahmedabad 380 015, Gujarat (IN). BASU,  
 Sujay [IN/IN]; Cadila Healthcare Limited, Zydus Tower,  
 Satellite Cross Roads, Ahmedabad 380 015, Gujarat (IN).  
 PINGALI, Harikishore [IN/IN]; Cadila Healthcare Lim-  
 ited, Zydus Tower, Satellite Cross Roads, Ahmedabad 380

(81) Designated States (national): AE, AG, AL, AM, AT, AU,  
 AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,  
 CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
 LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
 MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,  
 SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,  
 UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

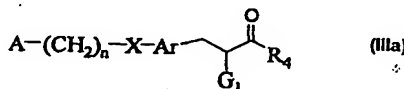
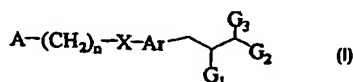
(84) Designated States (regional): ARIPO patent (BW, GH,  
 GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
 Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
 European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,  
 SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,  
 GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the  
 claims and to be republished in the event of receipt of  
 amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
 ance Notes on Codes and Abbreviations" appearing at the begin-  
 ning of each regular issue of the PCT Gazette.

(54) Title: SUBSTITUTED ARALKYL DERIVATIVES



(57) Abstract: The present invention relates to novel substituted aralkyl derivatives of the general formula (I) & (IIIa), their deriva-  
 tives, their analogs, their tautomeric forms, their pharmaceutically acceptable salts, their pharmaceutically acceptable solvates, phar-  
 maceutical compositions containing them, use of these compounds in medicine and the intermediates involved in their preparation.